We claim:

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1.	Α	com	position	comprising
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- 5 (A) copolymer of
 - (A-1) at least one ethylenically unsaturated, free-radically copolymerizable monomer of the formula (I)

$$Y-NR^{1}-C(V)-NHR^{2}$$
 (I),

where the substituents have the following meanings:

Y = an ethylenically unsaturated radical capable of free-radical polymerization

V = O, S or NH

 R^1 , R^2 = independently of one another H or a C_1 - C_8 -alkyl group, or both together a bridging C_2 - C_4 -alkylene group which may be substituted up to twice by a C_1 - C_4 -alkoxy group and/or hydroxyl group,

(A-2) at least one unsaturated monomer of the formula (II)

$$X-C(O)CR^7 = CHR^6$$
 (II),

where the substituents have the following meanings:

X is chosen from the group of radicals -OH, -OR⁸, NH₂, -NHR⁸, N(R⁸)₂;

the radicals R^8 may be identical or different and are chosen from the group consisting of -H, C_1 - C_{40} linear- or branched-chain alkyl radicals, N,N-dimethyl-aminoethyl, 2-hydroxyethyl, 2-methoxyethyl, 2-ethoxyethyl, hydroxypropyl, methoxypropyl or ethoxypropyl;

R⁷ and R⁶ are independently of one another chosen from the group consisting of -H, C₁-C₈ linear- or branched-chain alkyl chains, methoxy, ethoxy, 2-hydroxy-ethoxy, 2-methoxyethoxy and 2-ethoxyethyl,

- (B) at least one further copolymer different from (A) of
- 40 (B-1) at least one monomer of the formula (III)

$$= Z - R^{10})_{x}$$

$$= Z - R^{11} - NR^{12}R^{13}$$
(III)

where

R⁹ = H, alkyl having 1 to 8 carbon atoms,

 $R^{10} = H, methyl,$

R¹¹ = alkylene having 1 to 24 carbon atoms, optionally substituted by

C₁-C₆-alkyl,

 R^{12} , $R^{13} = C_1 - C_{40}$ -alkyl radical,

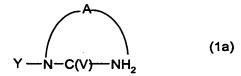
Z = nitrogen when x = 1 or oxygen when x = 0.

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- (B-2) at least one ethylenically unsaturated monomer.
- 2. A composition as claimed in claim 1, wherein a copolymer of at least one monomer (A-1) and at least two monomers (A-2) is used as copolymer (A).
 - 3. A composition as claimed in claim 1, wherein a compound of the following formula (la) is used as monomer (A-1)



where A = a 2- or 3-membered alkylene group optionally having a carbonyl group.

4. A composition as claimed in claim 1, wherein a compound of the formula (lb) is used as
 25 monomer (A-1)
 where R³ and R⁴, independently of one another, are H, -OH, -NH, C₁-C₀-alkyl.

- 30 5. A composition as claimed in claim 4, where R^3 and R^4 = H.
 - 6. A composition as claimed in any of the preceding claims, wherein a compound in which V = O is used as monomer (A-1).

- 7. A composition as claimed in any of the preceding claims, wherein a compound of the formula (lb) where R^3 and R^4 = H and V = O, and Y = CH_2 = $C(CH_3)$ -CO-O- $(CH_2)_2$ is used as monomer (A-1).
- A composition as claimed in any of the preceding claims, wherein the ethylenically unsaturated radical Y capable of free-radical polymerization is a radical of the formula (IV)

$$Y = CH_2 = CR^5 - CO - W - (CH_2)_0 - (IV)_1$$

10 where

 R^5 = H, CH₃ W = O, NH

n = 2 to 8, in particular 2 to 4.

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- 9. A composition as claimed in any of the preceding claims, wherein at least one monomer which is chosen from the group consisting of N,N-dimethylaminomethyl (meth)acrylate, N,N-diethylaminomethyl (meth)acrylate, N,N-dimethylaminoethyl (meth)acrylate, N,N-diethylaminoethyl (meth)acrylate, N,N-diethylaminopropyl (meth)acrylate, N,N-diethylaminopropyl (meth)acrylate is used as monomer (B-1).
- 10. A composition as claimed in any of the preceding claims, wherein N,N-dimethylamino-propyl (meth)acrylate is used as monomer (B-1).
- 25 11. A composition as claimed in any of the preceding claims, wherein a copolymer of (A-1) ureidomethacrylate and (A-2) at least 2 further monomers chosen from the group consisting of n-butylacrylate, acrylic acid and stearyl methacrylate is used as copolymer (A).
- 30 12. A composition as claimed in any of the preceding claims, wherein a copolymer of (B-1) N,N-dimethylaminopropyl (meth)acrylate and at least one further monomer chosen from the group consisting of n-butyl acrylate and ureidomethacrylate is used as copolymer (B).
- 13. A composition as claimed in any of the preceding claims, wherein the (molar) ratio of copolymer (A) to copolymer (B) is in the range from 1:10 to 10:1, in particular in the range from 1:5 to 5:1.
 - 14. The use of a composition as claimed in any of the preceding claims as thickener.
- 40 15. The use of a composition as claimed in any of the preceding claims as conditioning agent.
 - 16. The use of a composition as claimed in any of the preceding claims in cosmetic preparations.

17. A copolymer (B) of

(B-1) at least one monomer of the formula (III)

$$= \sum_{Q=1}^{R^9} {\binom{R^{10}}{x}}_{Z-R^{11}-NR^{12}R^{13}}$$
 (III)

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in which

R⁹ = H, alkyl having 1 to 8 carbon atoms,

R¹⁰ = H, methyl,

R¹¹ = alkylene having 1 to 24 carbon atoms, optionally substituted by

C₁-C₆-alkyl,

 R^{12} , $R^{13} = C_1 - C_{40}$ -alkyl radical,

Z = nitrogen when x = 1 or oxygen when x = 0.

and

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- (B-2) at least one ethylenically unsaturated monomer.
- 18. The use of a copolymer (B) as claimed in claim 17 in cosmetic preparations.
- 20 19. The use of a copolymer (B) as claimed in claim 17 as thickener.
 - 20. A method of thickening cosmetic preparations in which 1 to 30% by weight, in particular 5 to 25% by weight, preferably 8 to 20% by weight, of a composition as claimed in claim 1 are added to the preparation to be thickened.

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Abstract

The invention relates to compositions comprising at least one copolymer (A) and at least one copolymer (B), and to the use thereof in cosmetic preparations.

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Composition comprising

copolymer of (A)

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at least one ethylenically unsaturated, free-radically copolymerizable monomer (A-1)of the formula (I)

$$Y-NR^{1}-C(V)-NHR^{2}$$
 (I),

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where the substituents have the following meanings:

an ethylenically unsaturated radical capable of free-radical polymerization

O, S or NH

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 $R^{1}, R^{2} =$ independently of one another H or a C₁-C₈-alkyl group, or both together a bridging C2-C4-alkylene group which may be substituted up to twice by a C₁-C₄-alkoxy group and/or hydroxyl group,

(A-2)at least one unsaturated monomer of the formula (II)

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$$X-C(O)CR^7 = CHR^6$$
 (ii),

where the substituents have the following meanings:

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X is chosen from the group of radicals -OH, -OR⁸, NH₂, -NHR⁸, N(R⁸)₂;

the radicals R⁸ may be identical or different and are chosen from the group consisting of -H, C₁-C₄₀ linear- or branched-chain alkyl radicals, N,N-dimethylaminoethyl, 2-hydroxyethyl, 2-methoxyethyl, 2-ethoxyethyl, hydroxypropyl, methoxypropyl or ethoxypropyl;

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R⁷ and R⁶ are independently of one another chosen from the group consisting of -H, C₁-C₈ linear- or branched-chain alkyl chains, methoxy, ethoxy, 2-hydroxyethoxy, 2-methoxyethoxy and 2-ethoxyethyl.

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(B) at least one further copolymer different from (A) of

(B-1)

at least one monomer of the formula (III)

$$= \begin{array}{c} R^{9} & (R^{10})_{x} \\ Z - R^{11} - NR^{12}R^{13} & (III) \end{array}$$

where

R⁹ = H, alkyl having 1 to 8 carbon atoms,

R¹⁰ = H, methyl,

R¹¹ = alkylene having 1 to 24 carbon atoms, optionally substituted by

C₁-C₆-alkyl,

 R^{12} , $R^{13} = C_{1}-C_{40}$ alkyl radical,

Z = nitrogen when x = 1 or oxygen when x = 0

and

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(B-2) at least one ethylenically unsaturated monomer.